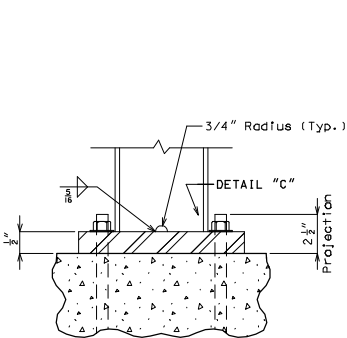


ROUTE	STATE	DISTRICT	SHEET NO.
	MO		
JOB NO.			
CONTRACT ID			
PROJECT NO.			
COUNTY			DATE

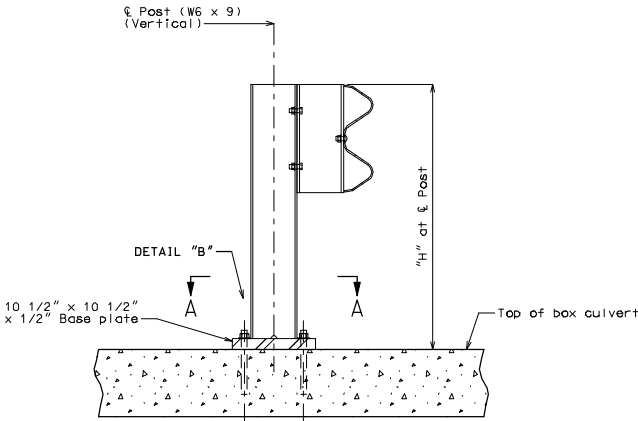
NOTES:

- All bolts, nuts, washers, and plates and elastomeric materials will be considered completely covered by the contract unit price for Bridge Guardrail (Three Beam) other items.
- All steel connecting bolts and fasteners for posts and railing, and all anchor bolts, nuts, washers, and plates shall be galvanized after fabrication except for bottom plate. Protective coating and material requirement of steel railing shall be in accordance with Sec 1040.
- Rail posts shall be seated on elastomeric pads having the same dimensions as the post base plate and 1/16" thickness. Such pads may be any elastomeric material, plain or fibered, having a hardness (Durometer) of 50 or above, as certified by the manufacturer. Additional pads or half pads may be used in sniffling for alignment. Post heights shown will increase by the thickness of the pad.
- Posts, cap rail angles, top plates, base plates, channels and channel splice plates shall be fabricated from ASTM A709 Grade 36 steel and galvanized.
- Fabrication of structural steel shall be in accordance with Sec 1080.
- The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.
- Cost of furnishing and installing the resin anchor systems complete-in-place will be considered completely covered by the contract unit price for -----.
- The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor systems shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5'.
- See slab sheet for rail post spacing.
- See Missouri Standard Plans drawing 606.00 for details not shown.

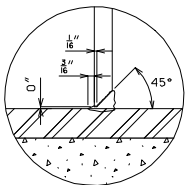


DETAIL "B"

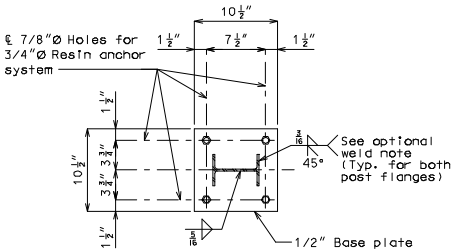
Semi-circular notches centered on the axis of the post web ends may be made to facilitate galvanizing.



PART SECTION AT RAIL POST



DETAIL "C"



SECTION A-A

Note: Optional welding of the post to the base plate, in lieu of the weld shown, is a 5/16" fillet weld all around, including the edges of the post flanges.

REMOVE THIS NOTE

NOTE TO DETAILER:

USE THIS DETAIL WHEN REQUIRED TO CONNECT RAIL POST TO CULVERT SLABS GREATER THAN 9" THICK OR WHERE CULVERT WALLS INTERFERE WITH BOLTING THROUGH SLAB.